

I CLAIM:

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5 1. A method for profiling an application having plural units, wherein the plural units communicate across strongly-typed, binary-standard interfaces, and wherein a type file describes the interfaces of the plural units, the method comprising:

generating a structural metadata description of the application from the type file, wherein the structural metadata description comprises compiled interface-level type description;

10 profiling the application using the structural metadata description, resulting in an application profile; and

reconfiguring the application based on the application profile.

15 2. The method of claim 1 wherein the step of generating a structural metadata description comprises:

receiving a source code type description of the interfaces;

statically analyzing the source code description; and

producing the structural metadata description of the application.

20 3. The method of claim 1 wherein the step of generating a structural metadata description comprises:

receiving a compiled type file comprising information descriptive of the interfaces; and

producing the structural metadata description of the application.

25 4. The method of claim 1 wherein the step of profiling comprises:
determining static relationships between the plural units of the application;
and

generating the application profile, wherein the application profile models the static relationships.